

Attorney's Docket No. 8194-491

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Jung-Fu Cheng
Serial No.: TO BE ASSIGNED
Filed: CONCURRENTLY HEREWITH
For: **METHODS AND SYSTEMS FOR SELECTIVE INTERLEAVING IN
RETRANSMISSIONS AND ITERATIVE DEMODULATION OF
MODULATED SIGNALS WITH DIFFERENT INTERLEAVING**



Date: April 2, 2001

BOX PATENT APPLICATION
Commissioner for Patents
Washington, DC 20231

**INFORMATION DISCLOSURE STATEMENT
CITATION UNDER 37 C.F.R. § 1.97**

Sir:

Attached is a list of documents on form PTO-1449 together with a copy of each identified document. It is requested that these documents be considered by the Examiner and officially made of record in accordance with the provisions of 37 C.F.R. § 1.97 and Section 609 of the MPEP.

No item of information contained in this Statement was cited from a foreign patent office in a counterpart foreign application.

Respectfully submitted,

Robert W. Glatz

Registration No. 36,811

Myers Bigel Sibley & Sajovec
PO Box 37428
Raleigh NC 27627
Tel (919) 854-1400
Fax (919) 854-1401

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FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office LIST OF DOCUMENTS CITED BY APPLICANT (Use several sheets if necessary)	Attorney Docket Number 8194-491	Serial No. To Be Assigned
	Applicants: Jung-Fu Cheng	
	Filing Date Concurrently Herewith	Group Unknown

U. S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate

FOREIGN PATENT DOCUMENTS

Document Number	Date	Country	Class	Subclass	Translation Yes No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

1	L.R. Bahl, J. Cocke, F. Jelinek and J. Raviv, "Optimal Decoding of Linear Codes for Minimizing Symbol Error Rate," <i>IEEE Transactions on Information Theory</i> , Vol. 20, pp. 284-287, March 1974
2	J.G. Proakis, <i>Digital Communications</i> , 3rd Ed., Chapter 7, 1995
3	C. Berrou, A. Glavieux, and P. Thitimajshima, "Near Shannon Limit Error-Correcting Coding and Decoding: Turbo Codes," <i>Proceedings of IEEE International Communications Conference</i> , '93, pp. 1064-1070, May 1993.
4	P. Robertson, E. Villebrun, and P. Hoeher, "A Comparison of Optimal and Sub-Optimal MAP Decoding Algorithms Operating in the Log Domain," <i>Proceedings of IEEE International Communications Conference</i> '95, pp. 1009-1013, June 1995
5	S. Benedetto, G. Montorsi, D. Divsalar and F. Pollara, "Soft-Output Decoding Algorithms in Iterative Decoding of Turbo Codes," <i>The Telecommunications and Data Acquisition Progress Report</i> , Jet Propulsion Laboratory, California Institute of Technology, Vol. 42-124, pp. 63-87, Feb. 1996
6	D.J.C. MacKay, R.J. McEliece and J.-F. Cheng, "Turbo Decoding as an Instance of Pearl's 'Belief Propagation' Algorithm," <i>IEEE Journal on Selected Areas in Communications</i> , Vol. 16, pp. 140-152, Feb. 1998
7	J.-F. Cheng and T. Ottosson, "Linearly Approximated Log-MAP Algorithms for Turbo Decoding," to appear in <i>Proceedings of IEEE Vehicular Technology Conference</i> '00 Spring, May, 2000
8	Jaap Haartsen, "Bluetooth - The Universal Radio Interface for Ad Hoc, Wireless Connectivity," Ericsson Review No. 3, 1998

EXAMINER

DATE CONSIDERED

*EXAMINER

Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.